

CLAIMS:

What is claimed is:

- 5 1. A method for managing printing priorities in a computer network, comprising:
entering priority settings for network print jobs;
receiving a new print job and an associated priority setting into a network printing queue;
10 comparing the priority setting of the new print job to a priority of other print jobs in the network printing queue; and
allowing the new print job to begin printing without delay if it has the highest priority in the network
15 printing queue.
2. The method according to claim 1, wherein the priority settings are entered by a network administrator.
- 20 3. The method according to claim 1, wherein the priority settings are entered by a network user.
4. The method according to claim 1, further comprising postponing the new print job until higher priority print
25 jobs in the network printing queue have finished printing.
5. The method according to claim 1, wherein the step allowing the new print job to begin without delay further
30 comprises:
suspending a print job that is currently printing if the new print job has a higher priority;

printing the new print job in full; and
resuming the suspended print job.

6. The method according to claim 5, further comprising
5 using different colored sheets to separate different
print jobs.

7. The method according to claim 1, wherein the
priority settings may be changed, according to changing
10 circumstances.

8. The method according to claim 7, wherein changes to
the priority settings are entered by a network
administrator.
15

9. The method according to claim 7, wherein changes to
the priority setting are entered by a network user.

10. The method according to claim 1, further comprising
20 providing a graphical user interface for displaying the
estimated time for completing a print job.

11. The method according to claim 10, further comprising
sending prompts to users at set time intervals updating
25 the estimated time for completing a print job.

12. The method according to claim 1, further comprising
receiving a maximum time limit for postponing a print
job, regardless of its priority.
30

13. A method for managing printing priorities in a
computer network, comprising:

receiving a priority for a network print job; and
sending the network print job and the priority to a
network printing queue.

5 14. The method according to claim 13, wherein the
priority for the network print job is set by a network
user.

10 15. The method according to claim 13, further
comprising:

receiving changes to the priority settings,
according to changing circumstances; and
sending the changes to the priority settings to the
print queue.

15 16. The method according to claim 15, wherein the
changes to the priority settings are made by a user.

20 17. The method according to claim 13, further
comprising:
receiving the estimated time for completing a print
job; and
displaying the estimated time for completing a print
job to a user.

25 18. The method according to claim 17, further
comprising:
receiving a maximum time limit for postponing a
print job, regardless of its priority; and
30 sending the maximum time limit to the printing
queue.

19. The method according to claim 17, wherein the step of displaying the estimated time for completing a print job is by means of a graphical user interface.

- 5 20. The method according to claim 19, further comprising receiving prompts at set time intervals updating the estimated time for completing a print job.

21. A computer program product in a computer readable
10 medium for use in a data processing system for managing printing priorities in a computer network, the computer program product comprising:

instructions for entering priority settings for network print jobs;

- 15 instructions for receiving a new print job and an associated priority setting into the network printing queue;

- instructions for comparing the priority of the new print job to the priority of other print jobs in the
20 network printing queue; and

instructions for allowing the new print job to begin printing without delay if it has the highest priority in the network printing queue.

- 25 22. The computer program product according to claim 21, wherein the priority settings are entered by a network administrator.

23. The computer program product according to claim 21,
30 wherein the priority settings are entered by a network user.

24. The computer program product according to claim 21, further comprising instructions for postponing the new print job until higher priority print jobs in the network printing queue have finished printing.

5

25. The computer program product according to claim 21, further comprising instructions for receiving changes to the priority settings, according to changing circumstances.

10

26. A data processing system for managing printing priority in computer networks, comprising:

means for entering priority settings for network print jobs;

15

means for receiving a new print job and an associated priority setting into the network printing queue;

20

means for comparing the priority of the new print job to the priority of other print jobs in the network printing queue; and

means for allowing the new print job to begin printing without delay if it has the highest priority in the network printing queue.

25 27. The data processing system according to claim 26, wherein the priority settings are entered by a network administrator.

28. The data processing system according to claim 26,
30 wherein the priority settings are entered by a network user.

29. The data processing system according to claim 26, further comprising means for postponing the new print job until higher priority print jobs in the network printing queue have finished printing.

5

30. The data processing system according to claim 26, further comprising means for receiving changes to the priority settings, according to changing circumstances.

[illegible]